

09-03-02. 1646

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Dated: August 30, 2002 Signature: *Richard Zimmermann*

Richard Zimmermann

Docket No.: 01017/36667

(PATENT)



IN THE UNITED STATES  
PATENT AND TRADEMARK OFFICE

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In re Patent Application of:  
William A. Banks

Application No.: 10/049,182

Group Art Unit: 1646

Filed: February 8, 2002

Examiner: to be assigned

For: Modulation of the Blood-Brain Barrier  
Transporter for Leptin

**INFORMATION DISCLOSURE STATEMENT (IDS)**

Commissioner for Patents  
Washington, DC 20231

Dear Sir:

In compliance with 37 C.F.R. §1.97 and the continuing duty of disclosure under 37 C.F.R. §1.56, the attached Form 1449A/PTO and copies of documents cited therein are hereby submitted by the Applicant for consideration in connection with the above-identified patent application.

This information disclosure statement is not intended to be an admission that a search has been made, that other relevant art does not exist, or that any of the information disclosed herein constitutes prior art under 35 U.S.C. §102 or 35 U.S.C. §103.

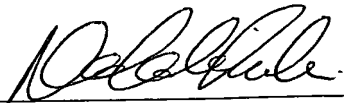
This statement and the Form 1449A/PTO are submitted before receipt of a first Office Action in the above-identified patent application. Accordingly, it is submitted that no fee is due in this matter under 37 C.F.R. §1.97(b). However, if it is determined that any appropriate fee is due, please charge Deposit Account Number 13-2855. A duplicate of this paper is enclosed.

Application No.: 10/049,182

Docket No.: 01017/36667

Respectfully submitted,

Dated: August 30, 2002

By 

Nabeela R. McMillian

Registration No.: 43,363

MARSHALL, GERSTEIN & BORUN

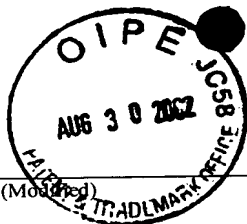
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Sheet 1 of 2

For PTO-1449 (Modified)

U.S. Department of Commerce  
Patent and Trademark OfficeAtty. Docket No.  
01017/36667Serial No.  
10/049,182

## INFORMATION DISCLOSURE STATEMENT

Applicant  
William A. BanksFiling Date  
February 8, 2002Group  
1646

## U.S. PATENT DOCUMENTS

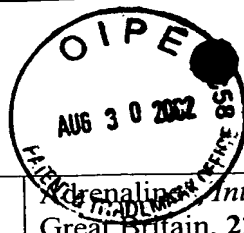
*Examiner Initials		Document Number	Issue Date	Name	Class	Subclass	Filing Date if Appropriate
	A1	4,179,337	12/18/79	Davis et al.	435	181	
	A2	4,525,359	6/25/85	Greenway et al.	514	653	
	A3	5,422,352	6/6/95	Astrup	514	264	
	A4	5,935,810	8/10/99	Friedman et al.	435	69.1	
	A5	6,001,968	12/14/99	Friedman et al.	530	350	
	A6	6,048,837	4/11/00	Friedman et al.	514	2	
	A7	6,124,439	9/26/00	Friedman et al.	530	388.24	
	A8	6,124,448	9/26/00	Friedman et al.	536	24.3	
	A9	6,309,853	10/30/01	Friedman et al.	435	69.1	
	A10	6,350,730	2/26/02	Friedman et al.	514	12	

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*Examiner Initials		Document Number	Publication Date	Country	Class	Subclass	Translation	
							Yes	No
	B1	WO 91/00730	1/24/91	WIPO				
	B2	WO 96/05309	2/22/96	WIPO				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

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C2	Banks & Kastin, <i>Pharmacol. Biochem. Behav.</i> , <b>21</b> :943-946 (1984)
C3	Banks & Kastin, <i>Psychoneuroendocrinology</i> , <b>10</b> :385-399 (1985)
C4	Banks & Kastin, <i>J. Pharmacol. Exp. Ther.</i> , <b>239</b> :668-672 (1986)
C5	Banks et al., <i>Peptides</i> , <b>17</b> (2):305-311 (1996)
C6	Banks, <i>Brain Research</i> , "Enhanced leptin transport across the blood-brain barrier by 1-adrenergic agents", <b>899</b> :209-217 (2001)
C7	Bjorbaek Christian et al., "Expression of leptin receptor isoforms in rat brain microvessels", <i>Endocrinology</i> , <b>139</b> :3485-3491 (1998) (Abstract)
C8	Brobeck et al., <i>Yale J. Biol. Med.</i> , <b>20</b> :545-552 (1948)
C9	Campfield et al., <i>Science</i> , <b>269</b> :546-549 (1995)
C10	Cao et al., "Leptin Receptors are Located on Epinephrine Secreting Cells in the Adrenal Medulla of the Rat", Society for Neuroscience Abstracts, <i>Society for Neuroscience</i> , <b>23</b> :851 (1997)
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C12	Carulli et al., "Regulation of OB Gene Expression in Humans:Effect of



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	C13	Carulli et al., "Regulation of OB Gene Expression: Evidence for Epinephrine-Induced Suppression in Human Obesity", <i>Journal of Clinical Endocrinology and Metabolism</i> , New York, New York, 84:3309-3312 (1999)
	C14	Coleman, <i>Diabetologica</i> , 14:141-148 (1978)
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	C16	Considine et al., <i>N. Eng. J. Med.</i> , 334:292-295 (1986)
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	C21	Halaas, et al., <i>Science</i> , 269:543-546 (1995)
	C22	Hervey, <i>J. Physiol.</i> , 145:336-352 (1959)
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	C24	Malik, <i>Exp. Hematol.</i> , 20:1028-1035 (1992)
	C25	Mostyn et al., "Effects of Adrenaline, Noradrenaline and Isoprenaline on Circulating Leptin Levels in Mice", <i>Proceedings of the Nutrition Society</i> , London, Great Britain, 58:69A (1998)
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	C30	Unterberg, <i>J. Cereb. Blood Flow Metab.</i> , 4:574-585 (1984)
	C31	Zhang et al., <i>Nature</i> , 372:425-432 (1994)

Examiner

Date Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.